



Global Neuro

Event Program

Global Neuro Course – Neurotrauma

(with Hands-on Training)

July 02-03, 2022 | Brescia, Italy



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Global Neuro welcomes you

On January 1, 2018, AONeuro became Global Neuro for the purpose of broadening our geographic reach and for the opportunity to work with multiple partners. Our new foundation is incorporated in Switzerland and is ready to serve you to improve the educational and practical experiences in patient care and outcomes.

We offer educational events across the world, with rigorously prepared and evaluated curricula, in multiple cultural and educational formats. Global Neuro's educational offerings include lecture presentations, interactive case discussions, small group discussions, practical exercises, simulation exercises, and online education. Global Neuro strives to increasingly collaborate with regional, national, international societies and organizations to deliver symposia and courses at congresses and annual meetings. These partnerships enable us to provide the best formats possible.

While our initial educational efforts began with neurosurgeons, we are increasingly collaborating with neurologists, neurointensivists, neuroanesthesiologists, neuroradiologists, and other neuro professionals to provide comprehensive education and program development opportunities.

Medicine, neurological care, and recovery are too complex to depend upon a single discipline. As such, collaboration is required to be able to make the greatest impact in our patients progress and outcomes.

We hope this program meets your expectations, as it is based on continuous development, study, evaluation, and discussion. Please let us know if you have ideas or suggestions for how we can enhance your learning and educational experience.

Please join our network of professionals as we work together to improve the results in neuro care and rehabilitation for all our patients.

Warm regards,

Paul N. Manson
Chairman Global Neuro Foundation



Course Description

This course covers the current best strategies and considerations for managing neurotrauma patients, specifically Polytrauma patients who also suffer from Neurotrauma with a focus on the issues in developing countries, new trends in neuromonitoring and the value of research in this field, based on competencies defined in Global Neuro’s curriculum. The content is delivered using multiple methods. Comprehensive lectures concentrate on the understanding of core material. Interactive case presentations further deepen this knowledge and enrich the discussion in trauma management. Practical sessions teach the application of Global Neuro principles to the management of common injuries. Case-based discussions link the lecture material and practical skills with the clinical problems encountered in clinical practice.

Target Participants

The Global Neuro Course has been developed for residents, surgeons, and physicians who are experienced in the management of cranial neurotrauma and who have a strong interest in complex patient care, clinical research, and an interdisciplinary approach (neurosurgeons, neurointensivists, neuroradiologists, emergency doctors, neuroresearchers, etc.)

Goal of the Course

The Global Neuro Course – Neurotrauma covers the management of complex cranial neurotrauma using advanced monitoring, devices, and techniques. There will also be a focus on current research and the management of challenging clinical scenarios and complications.

Learning Objectives

By completing the course, participants will be better able to:

- Apply current classification systems and guidelines in neurotrauma
- Manage complex neurotrauma, including penetrating injuries and skull base fractures with an interdisciplinary approach
- Conduct and interpret advanced imaging and neuromonitoring
- Plan and perform the following operative techniques: complex cranial reconstruction, and dural repair
- Manage complex complications such as metabolic disturbances, CSF leaks, coagulopathy, infections
- Discuss and conduct state-of-the-art clinical research

Chairspersons



Marco Maria Fontanella
Spedali Civili
Brescia, Italy



Andres Rubiano
Universidad El Bosque
Bogota, Colombia

Faculty

Regional Faculty

Christian Matula	Medical University	Austria, Vienna
Andrea Demetriades	NHS Lothian & University of Edinburgh	UK, Edinburgh

National Faculty

Antonio Biroli	Spedali Civili	Italy, Brescia
Paolo Gritti	Ospedale Papa Giovanni XXIII	Italy, Bergamo
Maurizio Iacoangeli	Università Politecnica delle Marche	Italy, Ancona

Special Guests

Francesca Pischiutta	Istituto Mario Negri	Italy, Milan
Rosalia Zangari	Fondaz. Ricerca Ospedale Bergamo	Italy, Bergamo
Luca Quilici / Simonetta Gerevini	Ospedale Papa Giovanni XXIII	Italy, Bergamo
Mohammad Zahir Sha	Neurosurgical Department	Afghanistan, Kabul

Day 1, July 02, 2022

TIME	AGENDA ITEM	FACULTY
12:00–13:00	REGISTRATION	
13:00–13:10	WELCOME AND COURSE OBJECTIVES	M. Fontanella A. Rubiano
Module 1	Basic of Neurotrauma	Moderator: M. Fontanella
13:10–13:15	Introductory case by the moderator (decision making in polytrauma)	M. Fontanella
13:15–13:30	The global burden of neurotrauma	C. Matula
13:30–13:45	Management of polytrauma with TBI. Initial assessment and prehospital care, treatment priorities, multidisciplinary treatment	P. Gritti
13:45–14:45	Small group case discussion <ul style="list-style-type: none"> • Polytrauma patient with TBI • TBI prognostic models in decision making for difficult cases 	All faculty
Module 2	New trends in diagnostics and monitoring	Moderator: A. Demetriades
14:45–14:50	Introductory case by the moderator	A. Demetriades
14:50–15:05	Role of neuroimaging in outcome prediction	L. Quilici / S. Gerevini
15:05–15:20	Your navigation system is broken: anatomical landmarks	A. Rubiano
15:20–15:35	Brain ultrasound in Neuro ICU	P. Gritti
15:35–15:55	COFFEE BREAK	
15:55–16:55	Small group case discussion <ul style="list-style-type: none"> • Intensive treatment / Surgical treatment • The dilemma of stopping the treatment 	All faculty
16:55–18:55	Practical exercises <ul style="list-style-type: none"> • Decompressive craniectomy, reconstruction • Hinge craniotomy • EVD, ICP bolt placement 	All faculty
18:55–19:15	Wrap up, comments	M. Fontanella A. Rubiano

Day 2, July 03, 2022

TIME	AGENDA ITEM	FACULTY
Module 3	Surgery	Moderator: M. Iacoangeli
08:30–08:35	Introductory case by the moderator	M. Iacoangeli
08:35–08:50	Decompressive craniectomy	M. Fontanella
08:50–09:05	Hinge craniotomy	A. Biroli
09:05–09:20	Cranioplasty	A. Demetriades
09:20–09:35	Cranioplasty complications	M. Iacoangeli
09:35–09:50	War and TBI	M. Z Sha
09:50–10:55	Small group case discussion <ul style="list-style-type: none"> • TBI in elderly patient • TBI in patient with antiplatelets 	All faculty
10:55–11:15	COFFEE BREAK	
Module 4	Research, Education, LMICs (Low Middle Income Countries)	Moderator: A. Biroli
11:15–11:20	Introductory case by the moderator	A. Biroli
11:20–11:35	Mesenchymal stromal cells for TBI	F. Pischiutta
11:35–11:50	Epidemiological research and outcome	R. Zangari
11:50–12:05	Managing TBI in low income countries, what are the priorities?	A. Rubiano
12:05–12:20	Role of education in neurotrauma	C. Matula
12:20–13:35	Small group case discussion <ul style="list-style-type: none"> • Pediatric patients, elderly patients with TBI • TBI complications (CSF leak, Hydrocephalus, Post operative bleeding) 	All faculty
13:35–14:35	LUNCH BREAK	
14:35–16:35	Practical Exercises non invasive techniques <ul style="list-style-type: none"> • Pupillometry • Ultrasound of optic nerve sheath and transcranial doppler 	All faculty
16:35–16:50	Global Neuro history	C. Matula
16:50–17:15	Course closure, certificates	M. Fontanella A. Rubiano

Event Venue



University of Brescia
 Sezione Anatomia Di. Scienze Cliniche e Sperimentali
 Viale Europa 11
 25123 Brescia
 Website: [University of Brescia](http://www.unibrescia.it)

Event Organization

Global Neuro Foundation

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 Website: <https://www.globalneuro.org>

Global Neuro Funding Sources

Unrestricted educational grants from different sources are collected and pooled together centrally or for specific events by the Global Neuro Foundation. All events are planned and scheduled by local and regional Global Neuro surgeon groups based on local needs assessment. We rely on industrial/commercial partners for in-kind support to run simulations/skills training if educationally needed.

Event Organization Compliance

In certain countries where Global Neuro has no office but offers educational events, the Global Neuro team cooperates with third-party companies to conduct local organization and logistics, as well as to communicate with participants in the local language. In these cases, the Global Neuro Foundation has put rules and guidelines in place (Letter of Secondment, Global Neuro Foundation – Principles of Educational Events) to ensure that this cooperation has no impact on the curricula, scientific program, or faculty selection.

Event Information

Event fee

Participants: 20 full participants and 10 observers

Course fee for full participants: EUR 300; Residents: EUR 200

Course fee for observers (no practical exercises): EUR 150; Residents EUR 100

Included in the course fee are a conference bag with course material, coffee breaks, lunch, course dinner and a course certificate.

Registration

For registration please visit our homepage: <https://globalneuro.org/EN/education/event-detail/42.html>

European CME Accreditation

This event has been CME accredited by UEMS-EACCME® in Brussels (12 Credits).

Course certificate

The course certificates can only be provided if the participant attends the entire event (100%) and will be available at the end of the event.

Evaluation guidelines

All Global Neuro events apply the same evaluation process, either online (pre- and post-event evaluation) or/and on-site by audience response system (ARS) or paper and pencil questionnaires. This helps Global Neuro to ensure that we continue to meet your training needs.

Dress code

Casual

No insurance

The event organization does not take out insurance to cover any individual against accidents, theft, or other risks.

Security

Security checks may be conducted at the entrance of the building. Wearing of a name tag is compulsory during lectures, practical exercises, and group discussions.

Mobile phone use

Use of mobile phones is not allowed in the lecture halls and in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

Intellectual property

Event materials, presentations, and case studies are the intellectual property of the event faculty. All rights are reserved. Check hazards and legal restrictions on www.globalneuro.org/legal

Recording, photographing, or copying of lectures, practical exercises, case discussions, or any course materials is strictly forbidden. Participants violating intellectual property will be dismissed.

The Global Neuro Foundation reserves the right to film, photograph, and audio record during their events. Participants must understand that in this context they may appear in these recorded materials. The Global Neuro Foundation assumes participants agree that these recorded materials may be used for Global Neuro marketing and other purposes and made available to the public.



Principles of Educational Events

Academic independence

Development of all curricula, design of scientific event programs, and selection of faculty are the sole responsibilities of volunteer surgeons from the Global Neuro network.

All education is planned based on needs assessment data, designed, and evaluated using concepts and evidence from the most current medical education research, and involving the expertise of the AO Education Institute.

Industry participation is not allowed during the entire curriculum development and planning process to ensure academic independence and to keep content free from bias.

Branding and advertising

No industry logos or advertising (with the exception of the Global Neuro Foundation) are permitted in the area where educational activities take place. Sponsors providing financial or in-kind support are allowed to have a promotional booth or run activities outside the educational area with approval from the event chairperson.

Personnel

Industry staff are not allowed to interfere with the educational content or engage in educational activities during the event.

Use of technologies and products in simulations

If case simulations are chosen as an educational method to develop skills, we only use technology approved by our foundation board – an independent group of volunteer surgeons developing and peer-reviewing new technology.

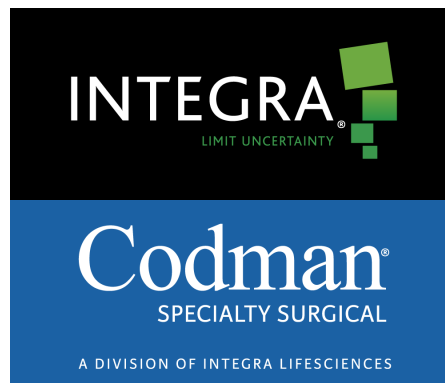
Compliance to accreditation and industry codes

All planning, organization, and execution of educational activities follow existing codes for accreditation of high-quality education:

- Accreditation Criteria of the Accreditation Council for Continuing Medical Education, USA (www.accme.org)
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities (www.accme.org)
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education (www.uems.eu)
- Events that receive direct or indirect unrestricted educational grants or in-kind support from industry also follow the ethical codes of the medical industry, such as:
 - Eucomed Guidelines on Interactions with Healthcare Professionals (www.medtecheurope.org)
 - AdvaMed Code of Ethics on Interactions with Health Care Professionals (www.advamed.org)
 - Mecomed Guidelines on Interactions with Healthcare Professionals (www.mecomed.org)

Sponsors

A special thanks to our partners Integra and DePuy Synthes for providing educational support grants for this event.



Thanks to the support of Fondazione per la Ricerca Ospedale Di Bergamo.



A thank you to Philips for their in-kind support.

PHILIPS

Codman ACADEMY

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